

Alaa S Amin

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

94
papers

1,192
citations

20
h-index

28
g-index

99
ext. papers

1,288
ext. citations

3.3
avg, IF

4.91
L-index

#	Paper	IF	Citations
94	Facile Fabrication of Nano-sized SiO ₂ by an Improved Sol-gel Route: As an Adsorbent for Enhanced Removal of Cd(II) and Pb(II) Ions. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2022 , 32, 1129	3.2	0
93	Utility of 5-(2,4,6-trimethylphenylazo)-6-hydroxy-pyrimidine-2,4-dione in PVC membrane for a novel green optical chemical sensor to detect zinc ion in environmental samples.. <i>Analytical Biochemistry</i> , 2022 , 643, 114579	3.1	3
92	Sensitive optical thin film sensor based on incorporation of 2-(2,4-dihydroxynaphthylazo)-benzothiazole in a sol-gel matrix for detection of manganese(II) in environmental samples.. <i>Analytical Biochemistry</i> , 2022 , 114720	3.1	0
91	Quantification of silver in several samples using a new ionophore polymer membrane as an optical sensor.. <i>RSC Advances</i> , 2021 , 11, 35300-35310	3.7	4
90	Auto-combustion Fabrication and Optical Properties of Zinc Oxide Nanoparticles for Degradation of Reactive Red 195 and Methyl Orange Dyes. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2021 , 31, 3780-3792	3.2	1
89	Fast and Reliable Synthesis of Melanin Nanoparticles with Fine-Tuned Metal Adsorption Capacities for Studying Heavy Metal Ions Uptake. <i>Nanotechnology, Science and Applications</i> , 2021 , 14, 101-111	3.9	3
88	Novel potentiometric methods for the estimation of bisoprolol and alverine in pharmaceutical forms and human serum. <i>Reviews in Analytical Chemistry</i> , 2021 , 40, 127-135	2.3	2
87	Design of a novel optical sensor for determination of trace amounts of tin in food and in environmental samples. <i>International Journal of Environmental Analytical Chemistry</i> , 2020 , 1-16	1.8	1
86	Solid Phase Extraction Using Polymer-Based C18 Cartridge Modified with 5-(2-Methyl-4-Hydroxyphenylazo)-6-Hydroxypyrimidine-2,4-Dione for Spectrophotometric Determination of Indium(III) in Water and Real Samples. <i>Analytical Chemistry Letters</i> , 2019 , 9, 582-593	1	2
85	Preconcentration and Determination of Tungsten Using Cold-Induced Aggregation Microextraction Technique Via Ionic Liquid in Environmental and Biological Samples. <i>Analytical Chemistry Letters</i> , 2018 , 8, 297-310	1	1
84	A facile Pechini sol-gel synthesis of TiO ₂ /Zn ₂ TiO ₂ /ZnO/C nanocomposite: an efficient catalyst for the photocatalytic degradation of Orange G textile dye. <i>RSC Advances</i> , 2017 , 7, 30411-30421	3.7	41
83	Cloud-Point Extraction for Preconcentration and Platinum Determination Using Spectrophotometry in Environmental Samples. <i>Analytical Chemistry Letters</i> , 2017 , 7, 128-141	1	4
82	Membrane optode for uranium(VI) preconcentration and colorimetric determination in real samples. <i>RSC Advances</i> , 2017 , 7, 46566-46574	3.7	6
81	Solid Phase Extraction and Spectrophotometric Determination of Palladium with 1-(2-benzothiazolylazo)-2-hydroxy-3-naphthoic Acid. <i>Analytical Chemistry Letters</i> , 2017 , 7, 724-736	1	2
80	Use of cloud-point preconcentration for spectrophotometric determination of trace amounts of antimony in biological and environmental samples. <i>Analytical Biochemistry</i> , 2016 , 492, 1-7	3.1	12
79	Optimized and validated spectrophotometric determination of two antifungal drugs in pharmaceutical formulations using an ion-pair complexation reactionPeer review under responsibility of Taibah University.View all notes. <i>Journal of Taibah University for Science</i> , 2016 , 10, 26-37	3	5
78	Utility of solid phase extraction for UV-visible spectrophotometric determination of gallium in environmental and biological samples. <i>RSC Advances</i> , 2016 , 6, 1938-1944	3.7	6

77	Determination of Nano Amounts of Copper in Environmental, Biological, and Water Samples Via Cloud Point Extraction and Spectrophotometry. <i>Analytical Chemistry Letters</i> , 2016 , 6, 820-833	1	4
76	Determination of scandium in monazite and environmental samples using cloud point extraction coupled with a spectrophotometric technique. <i>RSC Advances</i> , 2016 , 6, 73797-73804	3.7	1
75	Application of Cloud Point Extraction for Separation of Iron in Water, Food and Environmental Samples Prior to Determination by Spectrophotometry. <i>Analytical Chemistry Letters</i> , 2016 , 6, 296-312	1	4
74	Preparation, spectroscopic and antibacterial studies on charge-transfer complexes of 2-hydroxypyridine with picric acid and 7,7,8,8-tetracyano-p-quinodimethane. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015 , 145, 302-312	4.4	23
73	Application of a triacetylcellulose membrane with immobilized of 5-(2,4-dimethylphenylazo)-6-hydroxypyrimidine-2,4-dione for mercury determination in real samples. <i>Sensors and Actuators B: Chemical</i> , 2015 , 221, 1342-1347	8.5	7
72	An ionic liquid-based microextraction method for highly selective and sensitive trace determination of nickel in environmental and biological samples. <i>Analytical Methods</i> , 2015 , 7, 10229-10237	3.2	12
71	Optimized solid phase extraction methodology for separation, and spectrophotometric determination of boron using amberlite XAD-16 resin modified with 2-(2-benzothiazolylazo)-4-methoxyphenol. <i>RSC Advances</i> , 2015 , 5, 66975-66980	3.7	
70	Determination of rhodium in metallic alloy and water samples using cloud point extraction coupled with spectrophotometric technique. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015 , 136 Pt C, 1955-61	4.4	12
69	Utilization of cloud-point extraction for colorimetric determination of trace amounts of thorium(IV) in real samples. <i>RSC Advances</i> , 2015 , 5, 52095-52100	3.7	17
68	Cloud-point extraction, preconcentration and spectrophotometric determination of trace quantities of copper in food, water and biological samples. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014 , 120, 88-96	4.4	34
67	Study on the solid phase extraction and spectrophotometric determination of cobalt with 5-(2-benzothiazolylazo)-8-hydroxyquinolene. <i>Arabian Journal of Chemistry</i> , 2014 , 7, 715-721	5.9	20
66	Spectrophotometric determination of gemifloxacin mesylate, moxifloxacin hydrochloride, and enrofloxacin in pharmaceutical formulations using Acid dyes. <i>Journal of Analytical Methods in Chemistry</i> , 2014 , 2014, 286379	2	8
65	Spectrophotometric determination of iron in environmental and food samples using solid phase extraction. <i>Food Chemistry</i> , 2013 , 141, 1941-6	8.5	40
64	Spectrophotometric and spectrofluorometric methods for the determination of non-steroidal anti-inflammatory drugs: A review. <i>Arabian Journal of Chemistry</i> , 2013 , 6, 145-163	5.9	73
63	Determination of thallium at ultra-trace levels in water and biological samples using solid phase spectrophotometry. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013 , 110, 262-8	4.4	12
62	Chromium speciation in environmental samples using a solid phase spectrophotometric method. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012 , 96, 541-7	4.4	27
61	Study of the solid phase extraction and spectrophotometric determination of nickel using 5-(4-chlorophenylazo)-6-hydroxypyrimidine-2,4-dione in environmental samples. <i>Journal of Saudi Chemical Society</i> , 2012 , 16, 451-459	4.3	22
60	Solid-Phase Extraction Using Polymer-Based Cartridge Modified with 2-(2-benzothiazolylazo)-3-hydroxyphenol for Preconcentration of Uranium(VI) Ions from Water and Real Samples. <i>Spectroscopy Letters</i> , 2012 , 45, 246-255	1.1	6

59	Optimization and validation of spectrophotometric methods for determination of finasteride in dosage and biological forms. <i>Pharmaceutical Methods</i> , 2012 , 3, 48-55	1	
58	Utility of solid phase spectrophotometry for the modified determination of trace amounts of cadmium in food samples. <i>Food Chemistry</i> , 2012 , 132, 518-24	8.5	24
57	Utility of solid-phase spectrophotometry to determine trace amounts of zinc in environmental and biological samples. <i>Analytical Biochemistry</i> , 2011 , 418, 172-9	3.1	2
56	Ion-pairing and reversed phase liquid chromatography for the determination of three different quinolones: Enrofloxacin, lomefloxacin and ofloxacin. <i>Arabian Journal of Chemistry</i> , 2011 , 4, 249-257	5.9	12
55	Cloud-Point Extraction and Spectrophotometric Determination of Trace Quantities of Bismuth in Environmental Water and Biological Samples. <i>Spectroscopy Letters</i> , 2011 , 44, 424-431	1.1	7
54	Complexation and Spectrophotometric Study of Samarium(III) Using Pyrimidine Azo Derivatives in the Presence of Cetyltrimethyl Ammonium Bromide. <i>Analytical Letters</i> , 2010 , 43, 2598-2608	2.2	6
53	Sensitive spectrophotometric methods for determination of some organophosphorus pesticides in vegetable samples. <i>Chemical Industry and Chemical Engineering Quarterly</i> , 2010 , 16, 11-18	0.7	6
52	Spectrophotometric quantification of fluoxetine hydrochloride: Application to quality control and quality assurance processes. <i>Chemical Papers</i> , 2010 , 64,	1.9	2
51	Utility of solid phase extraction for spectrophotometric determination of gold in water, jewel and ore samples. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2010 , 77, 1054-8	4.4	21
50	Study on solid phase extraction and spectrophotometric determination of vanadium with 2,3-dichloro-6-(2,7-dihydroxy-1-naphthylazo)quinoxaline. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2009 , 73, 195-200	4.4	16
49	Utilization of solid phase spectrophotometry for the determination of trace amounts of copper using 5-(2-benzothiazolylazo)-8-hydroxyquinoline. <i>Chemical Papers</i> , 2009 , 63,	1.9	7
48	Spectrophotometric methods for sertraline hydrochloride and/or clidinium bromide determination in bulk and pharmaceutical preparations. <i>Chemical Papers</i> , 2009 , 63,	1.9	9
47	Colorimetric Assay of Cimetidine in the Presence of Its Oxidative Degradates. <i>Journal of AOAC INTERNATIONAL</i> , 2009 , 92, 382-386	1.7	3
46	Colorimetric Determination of Sildenafil Citrate (Viagra) Through Ion-Associate Complex Formation. <i>Journal of AOAC INTERNATIONAL</i> , 2009 , 92, 125-130	1.7	12
45	Colorimetric determination of sildenafil citrate (Viagra) through ion-associate complex formation. <i>Journal of AOAC INTERNATIONAL</i> , 2009 , 92, 125-30	1.7	1
44	Colorimetric assay of cimetidine in the presence of its oxidative degradates. <i>Journal of AOAC INTERNATIONAL</i> , 2009 , 92, 382-6	1.7	1
43	Spectrophotometric Determination of Some Fluoroquinolone Derivatives in Dosage Forms and Biological Fluids Using Ion-Pair Complex Formation. <i>Analytical Letters</i> , 2008 , 41, 837-852	2.2	8
42	Utility of solid-phase spectrophotometry for determination of dissolved iron(II) and iron(III) using 2,3-dichloro-6-(3-carboxy-2-hydroxy-1-naphthylazo)quinoxaline. <i>Talanta</i> , 2008 , 76, 1241-5	6.2	26

41	Three Spectrophotometric Methods for the Determination of Oxomemazine Hydrochloride in Bulk and in Pharmaceutical Formulations Using Bromocresol Green, Congo Red, and Methyl Orange. <i>Analytical Letters</i> , 2008 , 41, 80-89	2.2	10
40	Comparison of Ion-Pairing and Reversed Phase Liquid Chromatography in Determination of Sulfamethoxazole and Trimethoprim. <i>Analytical Letters</i> , 2008 , 41, 1878-1894	2.2	2
39	Spectrophotometric Determination of Pipazethate Hydrochloride in Pure Form and in Pharmaceutical Formulations. <i>Journal of AOAC INTERNATIONAL</i> , 2007 , 90, 686-692	1.7	6
38	Utilization of ion exchanger and spectrophotometry for assaying amoxicillin and flucloxacillin in dosage form. <i>International Journal of Pharmaceutics</i> , 2007 , 338, 225-30	6.5	16
37	Spectrophotometric determination of pipazethate HCl, dextromethorphan HBr and drotaverine HCl in their pharmaceutical preparations. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2007 , 67, 1088-93	4.4	25
36	Spectrophotometric determination of gatifloxacin in pure form and in pharmaceutical formulation. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2007 , 67, 1306-12	4.4	47
35	High Sensitive and Selective Spectrophotometric Determination of Aluminium after Collection on a Membrane Filter Using 2,3-Dichloro-6-(3-carboxy-2-hydroxy-1-naphthylazo)quinoxaline and Zephiramine. <i>Analytical Letters</i> , 2007 , 40, 2959-2973	2.2	6
34	Indirect spectrophotometric determination of gentamicin and vancomycin antibiotics based on their oxidation by potassium permanganate. <i>Open Chemistry</i> , 2006 , 4, 708-722	1.6	6
33	Atomic absorption spectroscopic, conductometric and colorimetric methods for determination of fluoroquinolone antibiotics using ammonium reineckate ion-pair complex formation. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2004 , 60, 973-8	4.4	22
32	Spectrophotometric determination of certain cephalosporins in pure form and in pharmaceutical formulations. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2004 , 60, 2831-5	4.4	36
31	Colorimetric determination of benzocaine, lignocaine and procaine hydrochlorides in pure form and in pharmaceutical formulations using p-benzoquinone. <i>Analytical Sciences</i> , 2003 , 19, 1457-9	1.7	17
30	Spectrophotometric methods for the determination of anti-emetic drugs in bulk and in pharmaceutical preparations. <i>Analytical Sciences</i> , 2003 , 19, 747-51	1.7	11
29	Conductometric and indirect AAS determination of antimalarials. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2003 , 31, 785-94	3.5	10
28	Solid-phase spectrophotometric determination of trace amounts of vanadium using 2,3-dichloro-6-(3-carboxy-2-hydroxynaphthylazo)quinoxaline. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2003 , 59, 1025-33	4.4	16
27	Simple and selective spectrophotometric determination of ruthenium after solid phase extraction with some quinoxaline dyes into microcrystalline p-dichlorobenzene. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2002 , 58, 1831-7	4.4	21
26	Spectrophotometric determination of piroxicam and tenoxicam in pharmaceutical formulations using alizarin. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2002 , 29, 729-36	3.5	47
25	MICRODETERMINATION OF ZINC(II) IN ALLOYS AND ORES BY VISIBLE SPECTROPHOTOMETRIC TECHNIQUE USING 2,3-DICHLORO-6- (2-HYDROXYNAPHTHYLAZO)- QUINOXALINE IN PRESENCE OF MIXED SURFACTANTS. <i>Analytical Letters</i> , 2002 , 35, 585-597	2.2	3
24	Determination of tin (IV) in alloys and in canned food by visible spectrophotometric technique using pyrimidine azo compounds in presence of mixed surfactants. <i>Annali Di Chimica</i> , 2002 , 92, 729-39		1

23	New Colorimetric Methods for the Determination of Indapamide and its Formulations. <i>Mikrochimica Acta</i> , 2001 , 137, 185-189	5.8	9
22	Colorimetric Procedure for the Microdetermination of the Antibilharzial Drug Praziquantel and its Applications to Pharmaceutical Formulations. <i>Mikrochimica Acta</i> , 2001 , 137, 35-40	5.8	10
21	Utility of Certain Ion-Pair Acceptors for the Spectrophotometric Determination of Sildenafil Citrate (Viagra). <i>Mikrochimica Acta</i> , 2001 , 137, 63-69	5.8	30
20	Colorimetric Microdetermination of Mercury(II) with Some Quinoxaline Azo Compounds in Presence of an Anionic Surfactant. <i>Monatshefte Für Chemie</i> , 2001 , 132, 587-596	1.4	9
19	Pyrocatechol violet in pharmaceutical analysis. Part I. A spectrophotometric method for the determination of some beta-lactam antibiotics in pure and in pharmaceutical dosage forms. <i>Il Farmaco</i> , 2001 , 56, 211-8		19
18	SPECTROPHOTOMETRIC DETERMINATION OF CADMIUM USING THIAZOLYLAZO CHROMOGENIC REAGENTS IN THE PRESENCE OF TRITON X-100: APPLICATION IN ENVIRONMENTAL SAMPLES. <i>Analytical Letters</i> , 2001 , 34, 163-176	2.2	11
17	Simultaneous spectrophotometric determination of thorium and rare earth metals with pyrimidine azo dyes and cetylpyridinium chloride. <i>Talanta</i> , 2001 , 54, 611-20	6.2	36
16	Colorimetric Estimation of Melatonin in Pharmaceutical Formulations. <i>Mikrochimica Acta</i> , 2000 , 135, 81-85	5.8	12
15	Spectrophotometric Microdetermination of Some Pharmaceutically Important Aminoquinoline Antimalarials, as Ion-Pair Complexes. <i>Mikrochimica Acta</i> , 2000 , 134, 133-138	5.8	14
14	Vanadophosphoric Acid as a Modified Reagent for the Spectrophotometric Determination of Certain Cephalosporins and their Dosage Forms. <i>Monatshefte Für Chemie</i> , 2000 , 131, 0313-0319	1.4	12
13	Utility of the ion-pair formation for spectrophotometric determination of terfenadine in pure form and in some pharmaceutical formulations. <i>Mikrochimica Acta</i> , 1999 , 130, 173-179	5.8	8
12	Quantitative Determination of Some Pharmaceutical Veterinary Formulations Using Bromocresol Purple and Bromocresol Green. <i>Analytical Letters</i> , 1997 , 30, 2503-2513	2.2	9
11	Utilization of tetrazolium blue for the colorimetric assay of tannins in tea. <i>Mikrochimica Acta</i> , 1997 , 126, 105-108	5.8	5
10	Colorimetric Microdetermination of some Corticosteroid Drugs Using Indophenol as Chromophoric Reagent. <i>Analytical Letters</i> , 1996 , 29, 1527-1537	2.2	14
9	Spectrophotometric assay of cephalosporins in pharmaceutical products, using chromotrope 2B and chromotrope 2R. <i>Mikrochimica Acta</i> , 1996 , 124, 203-209	5.8	15
8	Acetylacetone-formaldehyde reagent for the spectrophotometric determination of some sulfa drugs in pure and dosage forms. <i>Mikrochimica Acta</i> , 1996 , 124, 227-233	5.8	17
7	Modified Spectrophotometric Method for the Determination of Some Important Antibiotics Through Charge-Transfer Complexation Reaction with Chloranil. <i>Spectroscopy Letters</i> , 1996 , 29, 1003-1011	1.4	8
6	Spectrophotometric determination of 6-aminopenicillanic acid using bromophenol blue and bromothymol blue. <i>Mikrochimica Acta</i> , 1995 , 117, 187-194	5.8	6

5	Utility of certain Receptors for the spectrophotometric determination of norfloxacin. <i>Analyst, The</i> , 1995 , 120, 1189-1193	5	46
4	New polycrystalline solid state responsive electrodes for the determination of the selenite ion. <i>Electroanalysis</i> , 1995 , 7, 587-590	3	5
3	Spectrophotometric Determination of Zinc in Pharmaceutical Samples with Some Salicylic Azo Compounds. <i>Analytical Letters</i> , 1994 , 27, 95-102	2.2	8
2	Utility of a novel optical sensor design for ultra-trace detection of chromium colorimetrically in real environmental samples. <i>International Journal of Environmental Analytical Chemistry</i> ,1-18	1.8	3
1	Utility of solid-phase extraction coupled with spectrophotometry for a novel green nano determination of copper(II) using 4-((furan-2-ylmethylene) amino)-5-methyl-4H-1,2,4-triazole-3-thiol. <i>International Journal of Environmental Analytical Chemistry</i> ,1-22	1.8	